MINNIE-M

~25° medium beam optimized for LUXEON M/MX. Assembly with holder and installation tape.



SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	15.8 mm
Fastening	tape
ROHS compliant	yes

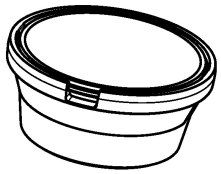
MATERIALS:

Component	Type	Material	Colour	Finish
MINNIE-M	Reflector	PC	metal	
MINNIE-HLD-M	Holder	PC	black	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

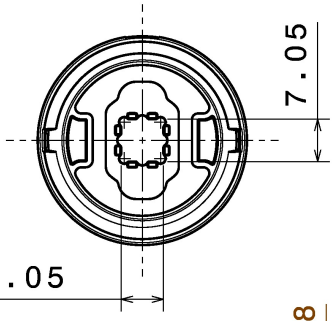
ORDERING INFORMATION:

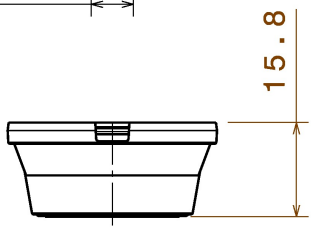
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12881_MINNIE-M » Box size: 480 x 280 x 300 mm	Reflector	840	120	60	6.0

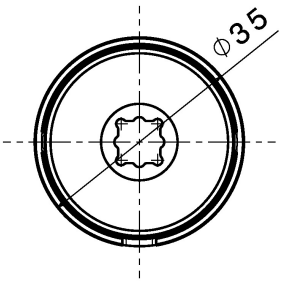
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Isometric view







INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	MINNIE_LUXEON-M_ASSEMBLY	Refl and holder PC, Tape Acrylic foam	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
MINNIE_LUXEON-M_ASSEMBLY

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SIZE A4

PART NUMBER -

SCALE 1:1 WEIGHT - SHEET 1/1

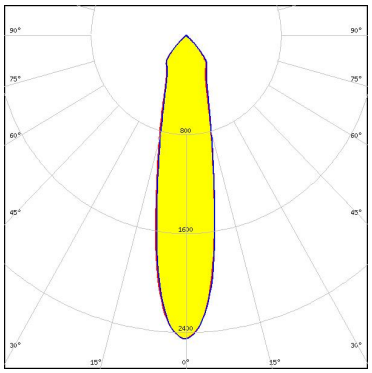
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	MHD-E/G
FWHM / FWTM	23.0° / 80.0°
Efficiency	92 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

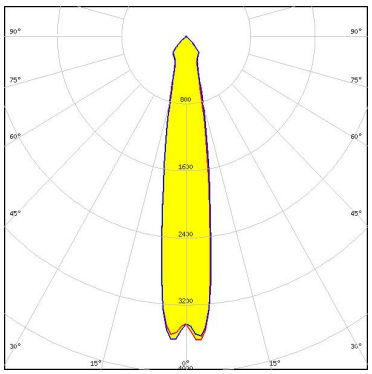




CREE LEDs

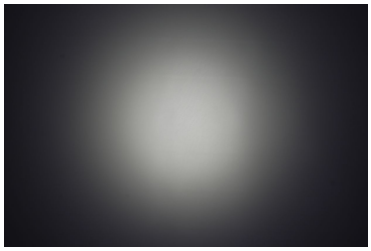
LED	MK-R
FWHM / FWTM	18.0° / 45.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

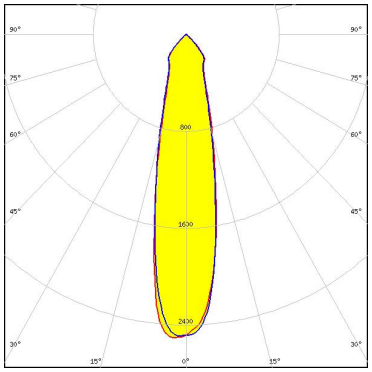




CREE LEDs

LED	XHP70
FWHM / FWTM	23.0° / 76.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

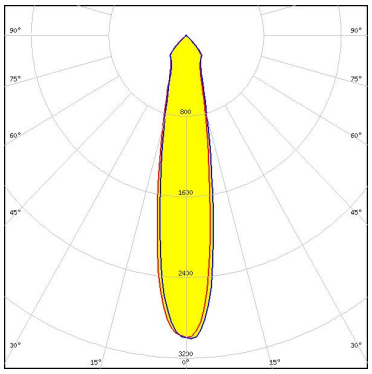




LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	21.0° / 60.0°
Efficiency	90 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



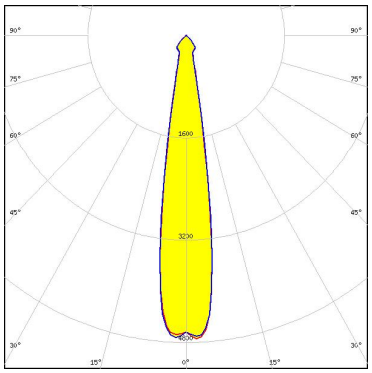


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OPTICAL RESULTS (SIMULATED):

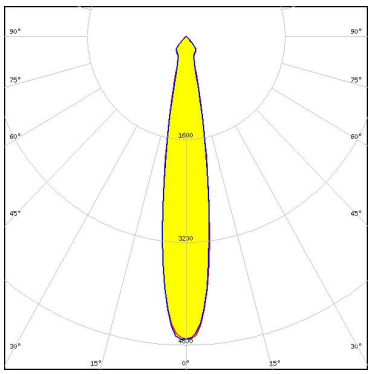
CREE LEDs

LED	XHP70.3 HD
FWHM / FWTM	18.0° / 33.0 + 34.0°
Efficiency	88 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	18.0° / 36.0°
Efficiency	92 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
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